

**Alkalinity by Flow Injection Colorimetry- LACHAT  
QuickChem Method 10-303-31-1-A**

Facility Name: \_\_\_\_\_ VELAP ID \_\_\_\_\_

Assessor Name: \_\_\_\_\_ Analyst Name: \_\_\_\_\_ Inspection Date \_\_\_\_\_

Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
<i>Records Examined:</i> SOP Number/ Revision/ Date _____ Analyst: _____ Sample ID: _____ Date of Sample Preparation: _____ Date of Analysis: _____					
Are samples preserved and cooled to $\leq 6^{\circ}\text{C}$ at the time of collection?	40 CFR Part 136.3				
Are samples analyzed within 14 days of collection?	40 CFR Part 136.3				
Was an initial MDL established?	9.2.4				
Is reagent water CO <sub>2</sub> free (boiled for 5 min)?	7.1				
Is KHP Buffer prepared 5 g KHP/1L and pH adjusted to 3.1 +/- 0.05?	7.1				
Is a Zero concentration standard prepared and analyzed as part of the standard curve?	7.2				
Is a LRB analyzed with each batch and determined to be less than the MDL?	9.3.1				
Is a LCS analyzed with each batch and the recovery within +/- 10%?	9.3.3				
Is an IPC analyzed with each batch and the recovery within +/- 10%?	9.3.4				
Are a minimum of 10 percent of all samples (one per batch of 10) analyzed in duplicate and RPD results meet current lab acceptance criteria?	9.3.5				
Are a minimum of 10 percent of all samples (one per batch of 10) spiked and is the recovery within $\pm 10\%$ ?	9.4.1				

Notes/Comments: